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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,372	02/12/2004	Ward S. Foster	200300433-1	4588

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INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

RUDOLPH, VINCENT M

ART UNIT	PAPER NUMBER
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2625

NOTIFICATION DATE	DELIVERY MODE
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08/29/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/777,372	Applicant(s) FOSTER ET AL.	
	Examiner Vincent Rudolph	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20,23-30 and 34 is/are pending in the application.
- 4a) Of the above claim(s) 21,22 and 31-33 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20,23-30 and 34 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claims 1-20, 23-30 and 34 in the reply filed on 5/12/2008 is acknowledged.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-9, 17, 19-20, 23-28 and 30 are rejected under 35 U.S.C. 102(a) as being anticipated by Gunji (Pub. # 20030065755).

Regarding claim 1, Gunji (Pub. # 20030065755) discloses a system (**See Figure 1**) that includes a server (management system, **See Figure 1, Element 10**) configured to be coupled in data communication with a network (over a network LAN, **See Figure 1**), the server includes a computer-accessible database of one or more data records (**See Figure 2**), such that each data record includes a printer type identification (PRT1 and PRT2, **See Page 3, Paragraph 0049**), one or more substitute printer driver identifications associated with the printer type identification (an updated version of the printer driver if

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available, **See Page 3, Paragraph 0051**, depending on the user information such as the operating system and version, **See Page 1, Paragraph 0004**), and one or more compatibility ratings associated with the printer type identification and a particular one of the one or more substitute printer driver (a driver that is most compatible for the user depending on the selected printer and the user's operating system, **See Page 1, Paragraph 0004**).

Regarding claim 2, Gunji (Pub. # 20030065755) discloses a printer (**See Figure 1**) configured to be coupled in data communication with the network (**See Figure 1**), the printer defining a printer type substantially equivalent to the printer type identification of at least one of the data records of the computer-accessible database (PRT1 and PRT2 information is stored in the management system for supplying the client computer with a correct printer driver for the corresponding printer, **See Page 3, Paragraph 0049**).

Regarding claim 3, Gunji (Pub. # 20030065755) discloses that the server includes at least one substitute printer driver associated with the printer (a driver is supplied depending on the operating system version of the client computer, **See Page 1, Paragraph 0004**).

Regarding claim 4, Gunji (Pub. # 20030065755) discloses that the server is defined by a mobile enterprising printing server (a management system, **See Figure 2**, which is used for storing and supplying printer drivers for the client computer, **See Page 3, Paragraph 0049**).

Regarding claim 5, Gunji (Pub. # 20030065755) discloses a use computer (**See Figure 1**) configured to be coupled in data communication with the network

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(**See Figure 1**), the user computer is configured to access the computer-accessible database of the server by way of the network in response to a user input (gain access to the management system, **See Page 3, Paragraph 0049**), display a list corresponding to the contents of at least one of the one or more data records of the computer-accessible database (printer drivers corresponding to the selected printer, **See Page 3, Paragraph 0049**), receive a user selection input corresponding to one or more substitute printer driver identifications (select a driver corresponding to the client computer's operating system as well as other criteria, **See Page 1, Paragraph 0004**), and issue a substitute printer driver selection command to the server by way of the network in response to the user selection input (select the printer driver to be installed, **See Page 3, Paragraph 0049**).

Regarding claim 6, Gunji (Pub. # 20030065755) discloses the server is further configured to establish an operational association between a particular substitute printer driver and a particular printer coupled to the network in accordance with the substitute printer driver selection command issued by the user computer (a printer driver is selected by the user to be installed on the client computer in order to associate and use the printer, **See Page 3, Paragraph 0049**).

Regarding claim 7, Gunji (Pub. # 20030065755) discloses that the server is further configured to receive an update command (once the user requests a printer driver, the management system issues a check to see for an updated version, **See Page 5, Paragraph 0076**), access a predetermined Internet website

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by way of the network in response to the update command, such that the Internet website hosting a network-accessible database (access the website associated with the corresponding printer driver, **See Page 5, Paragraph 0075**), download one or more data records available from the network-accessible database of the Internet website (downloads the printer driver if an updated version is available, **See Page 5-6, Paragraph 0077**), and amend the computer-accessible database of the server in accordance with the one or more downloaded data records (downloads and stores the updated version of the printer driver, **See Page 5-6, Paragraph 0077**).

Regarding claim 8, Gunji (Pub. # 20030065755) discloses the server is further configured to add at least one of the one or more downloaded data records to the computer-accessible database of the server (adds the record of the updated version of the printer driver to the management system, **See Page 5, Paragraph 0076**).

Regarding claim 9, Gunji (Pub. # 20030065755) discloses the server is further configured to download the one or more data records in accordance with a comparison between the network-accessible database of the Internet website and the computer-accessible database of the server (compare the printer driver version in the management system to the attribute information received from the printer driver Web server, **See Page 5, Paragraph 0075-0076**).

Regarding claim 17, Gunji (Pub. # 20030065755) discloses a method of managing a system (using a management system, **See Figure 1, Element 10**), which includes receiving an error message indicative of an operational problem

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with a printer driver of the system (an error message, such as determining the current driver is out of date and a newer version is available, **See Page 5, Paragraph 0076**), accessing a computer-accessible database including one or more data records (**See Figure 2**), display a listing corresponding to the contents of the one or more data records (analyzes the printer and the current printer driver version, **See Page 5, Paragraph 0076**), such that each data record includes a printer type identification (PRT1 and PRT2, **See Page 3, Paragraph 0049**), one or more substitute printer driver identifications associated with the printer type identification (an updated version of the printer driver if available, **See Page 3, Paragraph 0051**, depending on the user information such as the operating system and version, **See Page 1, Paragraph 0004**), and one or more compatibility ratings associated with the printer type identification and a particular one of the one or more substitute printer driver (a driver that is compatible for the user depending on the selected printer and the user's operating system, **See Page 1, Paragraph 0004**), issuing a selection command corresponding to a particular one of the displayed substitute printer driver identifications (if there is an updated printer driver available, the management server gains access to the location specified, **See Page 5-6, Paragraph 0077**), and establishing an operational association between the substitute printer driver and a printer of the system in accordance with the selection command (retrieves the printer driver using the URL specified, **See Page 5-6, Paragraph 0077**).

Regarding claim 19, Gunji (Pub. # 20030065755) discloses that accessing the computer-readable database is further defined by accessing the computer-

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accessible database by way of an Internet website (the management system fetches the attribute information to determine the current printer driver version available, **See Page 5, Paragraph 0075**).

Regarding claim 20, Gunji (Pub. # 20030065755) discloses that accessing the computer-accessible database is further defined by accessing the computer-accessible database of a mobile enterprise printing server (a management system, **See Figure 2**, which is used for storing and supplying printer drivers for the client computer, **See Page 3, Paragraph 0049**).

Regarding claims 23-28 and 30, the rationale provided in the rejection of claims 1-9 is incorporated herein. In addition, the system of claims 1-9 corresponds to the method of claims 23-24, the apparatus of claims 25-26, 28 and 30 as well as the data system of claim 27 and performs the steps disclosed herein.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 12 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gunji (Pub. # 20030065755).

Regarding claim 12, Gunji (Pub. # 20030065755) does not fully disclose that the compatibility rating is defined by a percentage rating, but it would have

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been obvious to include a percentage rating. The reason is it allows a user to know why the particular driver is not compatible. For instance, if a user is running the Windows XP operating system, and a compatible driver listed for the selected printer is one for the Windows 98 operating system, the compatibility for the user is zero percent. Thus, it allows the user to know how compatible a corresponding driver is for the selected printer. As a result, it would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a compatibility rating, and incorporate it into the system of Gunji (Pub. # 20030065755) because it prevents a user from unknowingly downloading a printer driver that is not compatible with the operating system running on the client computer.

Regarding claim 29, the rationale provided in the rejection of claim 12 is incorporated herein. In addition, the system of claim 12 corresponds to the apparatus of claim 29 and performs the steps disclosed herein.

Claims 10-11, 13-16, 18 and 34 are rejected as being unpatentable over Gunji (Pub. # 20030065755) in view of Gomes (Pub. # 20020119804).

Regarding claim 10, Gunji (Pub. # 20030065755) does not disclose an e-mail server configured to be coupled in data communication with the network, a wireless bridge configured to couple one or more devices in wireless data communication with the network, and a mobile device configured to be coupled in wireless data communication with the network by way of the wireless bridge, such that the mobile device is further configured to selectively download an

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electronic message from the e-mail server by way of the wireless bridge in response to a user input, the electronic message referencing one or more associated electronic documents not downloaded to the mobile device, receive an input corresponding to a user selection of one or more of the electronic documents, and issue a print command to the server by way of the wireless bridge in response to the input, the print command including a reference to the electronic message, a reference to the one or more user selected electronic documents, at least one credential, and a printer type reference.

Gomes (Pub. # 20020119804) discloses an e-mail server (**See Figure 1, Element 102**) configured to be coupled in data communication with the network (**See Figure 1**), a wireless bridge (gateway, **See Figure 1, Element 114**) configured to couple one or more devices in wireless data communication with the network (link the mobile device to the internet, **See Figure 1**), and a mobile device (**See Figure 1, Element 100**) configured to be coupled in wireless data communication with the network by way of the wireless bridge (**See Figure 1**), such that the mobile device is further configured to selectively download an electronic message from the e-mail server by way of the wireless bridge in response to a user input (access the emails from the mobile device, **See Page 1, Paragraph 0010**), the electronic message referencing one or more associated electronic documents not downloaded to the mobile device (emails not initially on the mobile device, but have to be downloaded to access them, **See Page 1, Paragraph 0010**), receive an input corresponding to a user selection of one or more of the electronic documents (user selects the email to retrieve, **See Page 2,**

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Paragraph 0040), and issue a print command to the server by way of the wireless bridge in response to the input (selects the email to be printed of available emails, **See Page 2, Paragraph 0041**), the print command including a reference to the electronic message (printing instructions, **See Page 2, Paragraph 0041**), a reference to the one or more user selected electronic documents (a selected email to print, **See Page 2, Paragraph 0041**), at least one credential (the username and password parameters, **See Page 2, Paragraph 0018**), and a printer type reference (the selected printer to output the email, **See Page 2, Paragraph 0041**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include an e-mail server, a wireless bridge, and a mobile device, such as the one disclosed within Gomes (Pub. # 20020119804), and incorporate it into the system of Gunji (Pub. # 20030065755) because it allows more users to access documents as well as a printer wirelessly to output documents rather than being confined to allow only a designated number of users to output documents through a wired network.

Regarding claim 11, Gunji (Pub. # 20030065755) discloses a printer (**See Figure 1**) coupled in data communication with the network (**See Figure 1**), the printer defining a printer type corresponding to the printer type reference of the print command (selecting either PRT1 or PRT2, **See Figure 1**, as chosen by the user of the client computer, **See Page 3, Paragraph 0049**).

Gunji (Pub. # 20030065755) does not disclose that the server is further configured to receive the print command issued by the mobile device by way of

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the wireless bridge, verify the at least one credential of the print command, download the one or more user selected electronic documents from the e-mail server in accordance with the associated reference, convert the one or more user selected electronic documents into respective print ready data files using a predetermined substitute printer driver of the server, and send the one or more print ready data files to the printer.

Gomes (Pub. # 20020119804) discloses the server is further configured to receive the print command issued by the mobile device by way of the wireless bridge (receives the printing instructions, **See Page 2, Paragraph 0049**), verify the at least one credential of the print command (verifies the username and password, **See Page 2, Paragraph 0049**), download the one or more user selected electronic documents from the e-mail server in accordance with the associated reference (retrieves the documents once verified, **See Page 3, Paragraph 0061**), convert the one or more user selected electronic documents into respective print ready data files using a predetermined substitute printer driver of the server (converts the email into a suitable format of the printer, **See Page 3, Paragraph 0072**, as well as apply install any necessary printer drivers, **See Page 3, Paragraph 0071**), and send the one or more print ready data files to the printer (passed to the designated printer, **See Page 3, Paragraph 0072**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include receiving, downloading, converting and sending the print command via the server, such as the one disclosed within Gomes (Pub. # 20020119804), and incorporate it into the system of Gunji (Pub. #

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20030065755) because it allows the server to control the process for printing an e-mail document using a mobile device and verify that each step is successfully completed.

Regarding claim 16, Gunji (Pub. # 20030065755) discloses establishing an operational association between the printer and the substitute printer driver prior to downloading the electronic message (access the web server prior to downloading the attribute information to determine the current printer driver version, **See Page 5, Paragraph 0075**).

Regarding claims 13-15, 18 and 34, the rationale provided in the rejection of claims 10-11 is incorporated herein. In addition, the system of claims 10-11 corresponds to the method of claims 13-15, 18 as well as the apparatus of claim 34 and performs the steps disclosed herein.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Rudolph whose telephone number is (571) 272-8243. The examiner can normally be reached on Monday through Friday 8 A.M. - 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vincent Rudolph
Examiner
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Acting Examiner of Art Unit 2625

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